

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- OK 40
Entered
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AS
1. (Currently Amended) A heat exchanger for exchanging heat between first and second coolants, comprising:
- a first tube formed with a first flow passage through which the first coolant flows;
 - a plurality of second tubes, each formed with a second flow passage through which the second coolant flows, wherein the first tube is sandwiched between a first adjacent second tube and a second adjacent second tube;
 - a first inlet-connecting block connected to a first end of the first tube and having a first flow inlet communicating with the first flow passage;
 - a first outlet-connecting block connected to a second end of the first tube and having a first flow outlet communicating with the first flow passage;
 - a second inlet-connecting block connected to a first end of each of the second tubes and having a second flow inlet communicating with the second flow passage; and
 - a second outlet-connecting block connected to a second end of each of the second tubes and having a second flow outlet communicating with the second flow passage;
- wherein the first tube and the second tubes are disposed such that the first and second flow passages are substantially perpendicular to one another,
- the first tube includes a plurality of pieces of tubes,
- the pieces of the first tube are disposed in parallel to one another along a longitudinal direction of the heat exchanger, and the second tubes are disposed in parallel to one another along a vertical direction of the heat exchanger, and
- the second tubes include an inflow tube group and an outflow tube group, and tubes that belong to the inflow tube group have first ends connected to the second inlet-connecting